

## [NEW FIGURE]

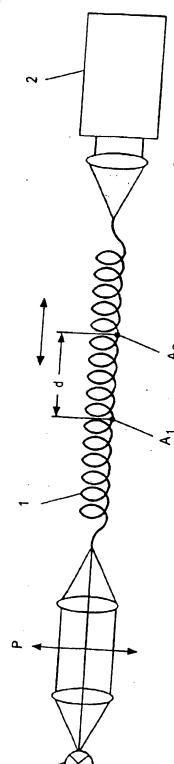
Approved PKIC 11/28/03

Mechanically coupling at least one of the first and second locations to a substantially helically coiled optical fiber Coupling an optical signal having a known polarization state into the substantially helically coiled optical fiber Recording the optical signal transmitted over a connecting line for acquiring information pertaining to a polarization state of the optical signal Determining the change in the distance from the information pertaining to the polarization state of the optical signal Comparing the polarization state of the optical signal before its transmission and a reference polarization state

Fig. 4



[NEW FISIURE]



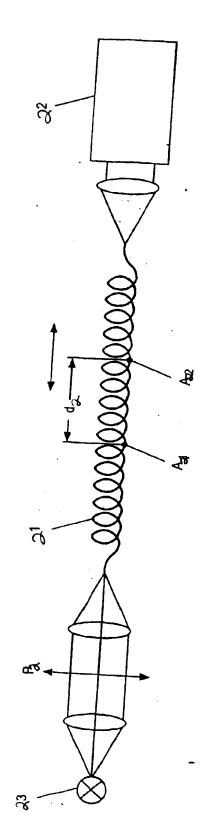


Fig.S